

Work Order ID 147393

Wednesday, June 08, 2016 3:10:53 PM

147393

Page 1

Item ID: D3533-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Set Screw

Start Date: 6/3/2016 Start Qty: 25.00

25

Cust Item ID:

Required Date: 6/8/2016 Req'd Qty: 25.00

25

Customer:

Reference:

Approvals: Process Plan: MCS Date: JUN 10 2016 Tooling: _____ Date: _____Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D3533	Rev B

100

0.00

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 321666 Purchase Part Number: 92311A564 Supplier: MAC
MASTER CARR Certificate of conformity is requiredCK 16/06/18 30

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.08

Packaging

Ensure material certification is attached

50x SP 16-6-13

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

(50) DAS 38 9-29
JUN 14 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Work Order ID 147393

147393

Page 2

Wednesday, June 08, 2016 3:10:53 PM

Item ID: D3533-1 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Set Screw
 Start Date: 6/3/2016 Start Qty: 25.00 *25* Cust Item ID:
 Required Date: 6/8/2016 Req'd Qty: 25.00 *25* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>504</u>	0.00							
130									
Packaging	Memo	0.04							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.42							
Quality Control									

DMS
 6
 SD 9-89
 JUN 15 2016
 JUN 16 2016
 mls
 Rm 16/06/15

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect				
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish				
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____							
Misidentified ☐	☐ Past Due								

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Page 1

147393

D3533-1

Required Date: 6/8/2016

Required Qty: 25.00

Comments: IPP Rev:A New Issue 06-07-25 JLM verified by DD

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

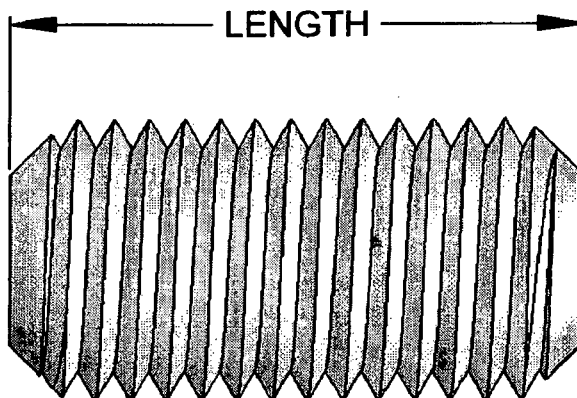
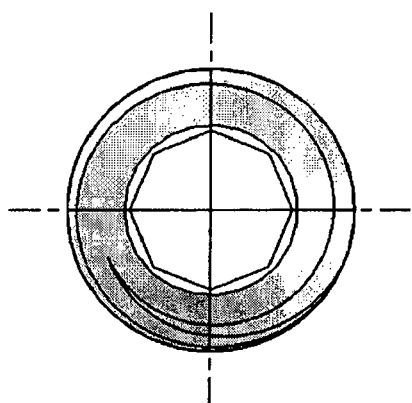
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							



DESIGN CB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED LE	APPROVED #	DRAWING NO. D3533	REV. B SHEET 1 OF 1
DATE 07.06.14		TITLE SET SCREW	SCALE NTS
REV	DATE	DESCRIPTION	
A	06.07.12	NEW ISSUE	
B	07.06.14	ADD D3533-3; ADD MATERIAL/FINISH COLUMN	

SPECIFICATION CONTROL DRAWING

RELEASED
07-08-03 #



B

PART NUMBER	MATERIAL AND FINISH	SIZE	LENGTH	POSSIBLE SUPPLIER
D3533-1	18-8 STAINLESS STEEL	1/4-28 UNF	1.000	McMASTER-CARR, P/N 92311A564
D3533-3	BLACK OXIDE ALLOY STEEL	#6-40 UNF	0.188	McMASTER-CARR, P/N 91375A161

B

NOTES:

- 1) TYPE: CUP POINT HEX HEAD SET SCREWS
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES

16-06-10
147393
MS
COPY TO
DART ORDER
147393
16-06-10

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Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	92311A564	Set Screw	6/14/2016 Yes 6/14/2016		50.00 Each	\$0.23	\$11.65
	AS PER DWG D3533 REV. B B147393						
						Line Total:	\$11.65
2	30345T21	LANYARD	6/14/2016 Yes 6/14/2016		12.00 Each	\$2.76	\$33.12
	alt p/n: 30345T545						
						Line Total:	\$33.12
3	71400-45	4315T76 PLASTIC TOTE COLOR GREY	6/14/2016 Yes 6/14/2016		10.00 Each	\$22.71	\$227.10

Note:

6/13/2016



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO32666

Order Placed By
Chantal Lavoie

McMaster-Carr Number
4498257-02

Line	Product	Ordered	Shipped
1	92311A564 18-8 Stainless Steel Cup Point Set Screw, 1/4"-28 Thread, 1" Long, Packs of 50	12	12
2	30345T545 18-8 Stainless Steel Wire Rope Lanyard - Not for Lifting, Loop-to-Tab, 3/64" Rope Diameter, 6" LG, Nylon	10	10
3	4315T76 Standard Stackable Plastic Tote Box, Polypropylene, Solid, 24" L X 16" W X 6" H, Gray, Stores	6	6
4	60595K73 Fixed Alignment Linear Ball Bearing, Steel Bearing with Steel Ball, for 1/2" Shaft Diameter, 1-1/4" LG., Cnc	4	4
5	7974A21 Precise-Control Flag-Handle Key, IP6 Size, Cnc	1	1
6	4463A424 Bench and Pedestal Grinding Wheel, for Steel and Stainless Steel, 8" Diameter, 1" Thickness, 36 Grit, Cnc	1	1
7	23065A504 Class Z Individual Plug Gauge, .0610" Size, No-Go Gauge	1	1
8	23055A002 Class Z Individual Plug Gauge, .2900" Size, Go Gauge	1	1
9	23055A504 Class Z Individual Plug Gauge, .2200" Size, No-Go Gauge	5	5
10	7397A37 Hex Bit, 1/4" Hex Shank for Power Tools, 5/32" Size, 2" Overall LG., Eric L	5	5
11	5492A66 Ball-End Hex Bit, 1/4" Hex Shank for Power Tools, 5/32" Hex Size, Eric L	2	2
12	3408A58 Ball-Nose Spring Plunger with Stainless Steel Ball, Stainless Steel Body, with Element, 5/8"-11 Thread, 9-18# Nose Force, Eric L	2	2
13	27825A21 3/8" Light Duty Air-Powered Drill, Straight-Handle, Nonreversing, 2700 RPM, .37 hp, Eric L	1	1
14	2227A2 Cast Iron V-Blocks, 3-1/16" Maximum Workpiece Diameter, Eric L	1	1
15	5547T5 Chemical Resistant PVC/Polyurethane Work Boot, Safety Toe, 15" H, Black, Steel Shank, Men's Size 10, Water Jet	1	1

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cde.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 64601613
Purchase Order: PO32666
Release:
McMaster-Carr Number: 4498257-02

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 10-Jun-2016
Shipper's Export Declaration (SED):
NO EEI 30.36

FOB: ORIGIN

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping
Attention:
Contact:

Line	Description	Qty & Unit	Unit Price	Extension
1	92311A564 18-8 Stainless Steel Cup Point Set Screw, 1/4"-28 Thread, 1" Long, Packs of 50 Country of Origin: Taiwan Schedule B #: 731815 ECCN #: EAR99 NLR	1 PK	\$11.50	\$11.50
2	30345T545 18-8 Stainless Steel Wire Rope Lanyard - Not for Lifting, Loop-to-Tab, 3/64" Rope Diameter, 6" LG, Nylon Country of Origin: United States Schedule B #: 731210 ECCN #: EAR99 NLR	12 EA	\$2.76	\$33.12
3	4315T76 Standard Stackable Plastic Tote Box, Polypropylene, Solid, 24" L X 16" W X 6" H, Gray, Stores Country of Origin: Germany Schedule B #: 392690 ECCN #: EAR99 NLR	10 EA	\$22.71	\$227.10
4	60595K73 Fixed Alignment Linear Ball Bearing, Steel Bearing with Steel Ball, for 1/2" Shaft Diameter, 1-1/4" LG., Cnc Country of Origin: Japan Schedule B #: 848210 ECCN #: 1C999 NLR	6 EA	\$23.80	\$142.80
5	7974A21 Precise-Control Flag-Handle Key, IP6 Size, Cnc Country of Origin: United States Schedule B #: 820411 ECCN #: EAR99 NLR	4 EA	\$2.72	\$10.88
Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department. These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.				

Shipping Weight (in kgs): 29

Number of Packages: 2

Invoice Amounts:

Merchandise Amount: \$873.49
Canadian GST/HST: \$118.34
Shipping Charges: \$36.70
Total (In USD): \$1,028.53

Package Dimensions:

62 X 62 X 73 CM = .279 CUBIC M
62 X 62 X 73 CM = .279 CUBIC M

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Authorized Signature:

Date: 10-Jun-2016

Remit payment to:
(by mail)
McMaster-Carr Supply Company
PO Box 7690
Chicago, IL 60680-7690 USA

(by wire transfer)
Bank of America
222 Broadway
New York, NY 10038
Account 86666-02021
SWIFT BOFAUS3N

Name: Sarah Weinberg

Title: Operations Mgr.

Page 1 of 2